ABBRE VIATIONS:

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JCTILE IRON PIPE
KPANSION JOINT

CH EXISTING ELEVARFLOW
FORCED CONCRETELEVATION
TARY NOITA ODULE

GEO

GENERAL

- THE SURVEY BASE PROVIDED HEREIN DOES NOT REPRESENT RECENT SITE DEMOLITION AND SITE SCOPES OF WORK. THE SURVEY BASE PROVIDED HEREIN IS FOR INFORMATIONAL PURPOSES OWNER/ARCHITECT/ENGINEER ARE NOT RESPONSIBLE FOR ANY MISCHARTED OR UNCHARTED UTILITY OF THE CONTRACTOR TO VERIFY ALL SITE CONDITIONS.
- THE CONTRACTOR MUST COMPLY WITH ALL FEDERAL
- ALL WORK AND MATERIALS WHICH DO NOT CONFORM TO THE CONSTRUCTION DOCUMENTS AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS
- ALL DISTURBED AREAS DAMAGED ORIGINAL CONDITION. BY CONSTRUCTION
- BEFORE STARTING EXCAVATION, ESTABLISH LOCATION AND EXTENT OF UNDERGROUND UTILITIES OCCURRING IN WORK AREA. CONTACT ARGONNE FOR DIG PERMIT. THE ARGONNE DIG PERMIT WILL BE PROCESSED AND SUPPLIED BY ARGONNE'S PROJECT MANAGER PRIOR TO START OF EARTHWORK. THE CONTRACTOR SHALL COORDINATE THE WORK SUCH THAT ADEQUATE ADVANCE NOTICE (MINIMUM OF 3 DAYS) IS GIVEN TO ARGONNE PRIOR TO EXCAVATION IN EACH OF THE RESTRICTED AREAS.
- THE CONTRACTOR SHALL COMPLY WITH ALL SAFETY REQUIREMENTS

DEMOLITION NOTES:

- THE EXTENT OF DEMOLITION WORK IS INDICATED ON THE DRAWINGS AND SPECIFIED HEREIN AND INCLUDES, IN NOT LIMITED TO THE REMOVAL OF ALL UTILITIES, OVERHEAD LINES AND POLES, PAVING, VEGETATION AND OTHER FEATURES WHICH CONFLICT WITH THE CONSTRUCTION OF THE NEW FACILITIES, OR ARE DESIGNATED REMOVED. BUT IS ER SITE TO BE
- CONDUCT DEMOLITION OPERATIONS AND REMOVAL OF DEBRIS AND SPOILS TO ENSURE MINIMAL INTERFERENCE WITH FACILITY OPERATIONS. ALL DEBRIS AND SPOILS SHALL BE REMOVED FROM THE PROJECT SITE AND THE ARGONNE SITE UNLESS OTHERWISE INDICATED. THE CONTRACTOR SHALL PAY FOR ANY AND ALL TESTING REQUIRED TO DISPOSE OF ANY DEBRIS OR SPOILS FROM THE PROJECT AND ARGONNE SITE. ALL SPOILS ARE ASSUMED TO BE CLEAN.
- ENSURE SAFE PASSAGE OF PERSONS AROUND AREAS OF DEMOLITION. REMOVE FROM SITE ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION AND LAWFULLY DISPOSE OF SAME. ALL WASTE DESTINED FOR A CLEAN CONSTRUCTION DEBRIS LANDFILL SHALL BE PAID FOR AND TESTED BY THE CONTRACTOR.
- SUBMIT REQUEST TO ARGONNE AT LEAST 72 HOURS IN ADVANCE TO REQUEST ANY UTILITY SHUTDOWN. ALL UTILITY SHUT-DOWNS AND START-UPS CAN ONLY BE PREFORMED BY ARGONNE NATIONAL LABORATORY STAFF. CONTRACTOR TO COORDINATE WITH ARGONNE. COORDINATE WITH THE ARGONNE/ARCHITECT ALL ITEMS DESIGNATED D OR
- IF ANY ITEMS ARE ENCOUNTERED IN THE FIELD THAT ARE NOT SHOWN ON THE PLAN WHICH REQUIRE DEMOL RELOCATION, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ARGONNE/ENGINEER IMMEDIATELY.)N OR
- THE CONTRACTOR WILL PROTECT ALL UTILITIES DESIGNATED TO REMAIN. ANY DAMAGE BY THE CONTRACT UTILITIES, STREETS OR ADJACENT PROPERTIES WILL BE REPLACED/REPAIRED AT THE CONTRACTOR'S EXPENSE. OR TO
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ALL EXISTING SERVICES AND APPURTENANCES TO DEMOL SITE FEATURES AND CAP/TERMINATE AS REQUIRED BY THE CONSTRUCTION DOCUMENTS AND ARGONNE NAT LABORATORY. CONTRACTOR SHOULD CONTACT ARCHITECT/ARGONNE/ENGINEER IF ANY QUESTION A REGARDING THE VIABILITY OF A UTILITY STRUCTURE.
- EXCESS MATERIALS SHALL BE RECYCLED PER SPECIFICATIONS AND LEED SITE IN ACCORDANCE WITH ALL LOCAL STATE AND FEDERAL REGULATIONS. ED OF

DIMENSION NOTES:

GRADING NOTES:

744.36 USGS = 0'-0" ARCHITECTURAL

- RATION THE OTHER

UTILITY NOTES:

FOR ALL SIDEWALKS, THE MAXIMUM CROSS-SLOPE SHALL NOT EXCEED 2.0%, THE MAXIMUM NOT EXCEED 5.0%.

CONTRACTOR TO ADJUST RIMS OF ALL EXISTING STRUCTURES TO MEET NEW GRADES.

THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES SHALL BE OBTAINED FROM ARGONNE NATIONAL LABORATORY, INVESTIGATED AND VERIFIED IN THE FIELD BY THE CONTRACTOR BEFORE STARTING WORK IN THE CONSTRUCTION AREA. EXCAVATION IN THE VICINITY OF EXISTING STRUCTURES SHALL BE PERFORMED BY HAND. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING FACILITIES, MAINTENANCE AND PROTECTION OF EXISTING UTILITIES AND STRUCTURES.

- MOVAL

- AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL FOLLOWING THE CONSTRUCTION OF THIS DEVELOPMENT, WITHIN 30 DAYS OF SUBSTANTIAL COMPLETION. AS-BUILT DRAWINGS MUST INCLUDE INFORMATION ON THE FOLLOWING DRAWINGS AS A MINIMUM: DIMENSION PLAN, GRADING PLAN, UTILITY PLAN, SEWER DETAILS, AND STORMWATER BMP DETAILS. THE AS-BUILTS SHALL BE GENERATED BY A LICENSED SURVEYOR AND SHOULD INDICATE THE DESIGN INFORMATION WITH A LINE THROUGH THE TEXT AND THE AS-BUILT ELEVATION WRITTEN NEXT TO IT. SHOULD THE INFORMATION BE CONSTRUCTED AS DESIGNED, THE TEXT SHALL BE CIRCLED, INDICATING FULL COMPLIANCE. AS-BUILT INFORMATION IS EXPECTED TO BE PROVIDED FOR THE FOLLOWING ITEMS AT A MINIMUM: UTILITY STRUCTURE RIM ELEVATIONS, PIPE INVERTS, LENGTHS AND SIZES OF PIPES, SLOPES OF PIPES, SPOT ELEVATIONS AND CONTOURS.

IEP, \triangleright GENERAL

NOTES:

SANITARY SEWER CONSTRUCTION, AS A MINIMUM, MUST COMPLY WITH THE FOLLOWING REQUIREMENTS:

- STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, GOVERN ALL SEWER AND WATERMAIN CONSTRUCTION ON THIS PROJECT. LATEST
- PROTECTION OF WATER SUPPLIES SHALL BE AS DESCRIBED IN SECTION 370.350 OF THE ILLINOIS RECOMMENDED STANDARDS FOR SEWAGE WORKS OR SECTION 41-2.01 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.
- SEWER BEDDING FOR RIGID PIPE SANITARY SEWERS SHALL BE CLASS 2-B IN ACCORDANCE WITH ASTMD2321 AS DESCRIBED IN APPENDIX 'A' OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.
- ALL SANITARY SEWERS SHALL BE TESTED FOR INFILTRATION, EXFILTRATION OR EXFILTRATION OF AIR UNDER PRESSURE, AND FOR DEFLECTION OF FLEXIBLE THERMOPLASTIC PIPE AS DESCRIBED IN SECTION 31-1 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.

BENCHMARKS:

ENCHMARK # :50926.8970 :29970.8291 TA-11 749.49

BENCHMARK #2 N:50042.5469 E:31031.7017 APS 3 735.20

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A WATER MAIN SHALL BE SEPARATED FROM A SEWER SO THAT ITS INVERT IS A MINIMUM OF 18 INCHES ABOVE THE CROWN OF THE SEWER. WHENEVER WATER MAINS CROSS STORM SEWERS, SANITARY SEWERS OR SEWER SERVICE CONNECTIONS, THIS VERTICAL SEPARATION SHALL BE MAINTAINED. A LENGTH OF WATER MAIN PIPE SHALL BE CENTERED OVER THE SEWER TO BE CROSSED WITH JOINTS EQUIDISTANT FROM THE SEWER OR DRAIN. A TEN FOOT HORIZONTAL SEPARATION BETWEEN ALL WATER AND SEWER PIPES SHALL BE MAINTAINED.

ILLINOIS PLUMBING CODE SHALL BE FOLLOWED

THE CONTRACTOR IS TO UNCOVER ALL LINES BEING TIED INTO AND VERIFY GRA

WHEN IT IS IMPOSSIBLE TO OBTAIN THE PROPER SEPARATION AS DESCRIBED ABOVE, OR THE WATER MAIN PASSES UNDER A SEWER OR DRAIN, BOTH THE WATER MAIN AND SEWER SHALL BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINT CAST OR DUCTILE IRON PIPE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION.

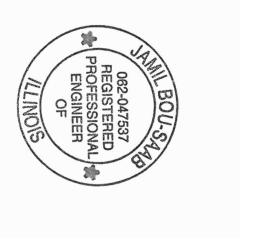
CONTRACTOR MUST MAINTAIN FLOW IN ALL EXISTING PIPING DURING CONSTRUCTION ACTIVITIES

ISTALL THRUST BLOCKS AT ALL BENDS IN WATER LINES, 11.25° OR GREATER.

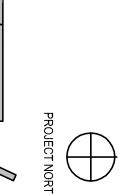


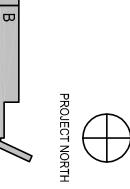


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GENERAL NOTES

J446-101-W-C0.0.1

Plot Date: